JC10 Rec'd RCT/PTO 117 PH 140 2005)
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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER
38300
U.S. APP ICATION OF TOW, SEE CFR 1.5)

INTERNATIONAL APPLICATION NO. PCT/CHOIGN (2003) (10.30.2003) (12.19.2002) TITLE OF INVENTION VACILITY ARC SOURCE WITH DEVICE FOR PRODICING A MACNETIC FIELD APPLICANT(G) FOR DOICOUS AND FREE SCHUELZE. Christian Wohlrab Andreas Schuelze. Christian Wohlrab (5), (6), (9), 40, 40 (2) indicated below. (5), (6), 90 and (2) indicated below. (5), (6), 90 and (2) indicated below. (5), (6), 90 and (2) indicated below. (6), 90 and (2) indicated below. (7) and Acopy of the International Application as filed (35 U.S.C. 371(c)(2)) (8) and Acopy of the International Application as filed (35 U.S.C. 371(c)(2)) (9) and Acopy of the International Application was filed in the United States Receiving Office (RO/US). (1) and Acopy of the International Application was filed in the United States Receiving Office (RO/US). (2) and and a state of the International Application as filed (35 U.S.C. 371(c)(2)). (3) and a state of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). (3) and a state of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). (3) and Acopy of the Internation of the International Bureau. (3) and Acopy of the Internation of the International Bureau. (4) and Acopy of the Internation of the International Bureau. (5) and Acopy of the Internation of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). (5) and Acopy of the Internation of the Internation international Bureau. (6) and Acopy of the Internation of the Internation internation internation internation internation internation	CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		
TITLE OF INVENTION VACIUM ARC SOURCE WITH DEVICE FOR PRODUCTING A MAGNETIC FIELD APPLICANT(S) FOR DOECOUS APPLICANT(S) FOR DOECOUS Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1.			
APPLICANT(S) FOR DOPEO/US Andreas Schuetze, Christian Wohlrab Applicant herewith submits to the United States Designated/Elected Office (DO/EC/US) the following items and other information: 1.			
Andreas Schuetze, Christian Wohlrab Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: X This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. X The US has been elected (Articla 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a	VACUUM ARC SOURCE WITH DEVICE FOR PRODUCING A MAGNETIC FIELD		
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This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. A. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a.	1. X	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.	
(5), (6), (9) and (21) indicated below 4. The US has been elected (Article 31). 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. is attached hereto (required only if not communicated by the International Bureau). b.	2.	This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.	
A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. is attached hereto (required only if not communicated by the International Bureau). b. has been communicated by the International Bureau. c. is not required, as the application was filed in the United States Receiving Office (RO/US). 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. is attached hereto. b. has been previously submitted under 35 U.S.C. 154(d)(4). 7. X			
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17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.	16. 📙	A power of attorney and/or change of address letter.	
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18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).	18. 🗀	A second copy of the published International Application under 35 U.S.C. 154(d)(4).	
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).			

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid QMB control number. INTERNATIONAL APPLICATION NO. ATTORNEY'S DOCKET NUMBER U.S. APPLICATION NO. (if known, see 37 CFR 1.5) PCT/CH03/000710 38300 CALCULATIONS PTO USE ONLY The following fees have been submitted 21. X Basic national fee.....\$300 300 22. X If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)......\$100 200 Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100 International Search Report prepared and provided to the Office.......\$400 400 All other situations.....\$500 \$ 900 TOTAL OF 21, 22 and 23 = Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. **Total Sheets** Extra Sheets Number of each additional 50 or fraction RATE thereof (round up to a whole number) 31 - 100 = O /50 = Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest \$ claimed priority date (37 CFR 1.492(h)). 130 CLAIMS NUMBER FILED NUMBER EXTRA RATE \$ Total claims - 20 = x \$50 \$ 750 Independent claims x \$200 - 3 = 0 0 MULTIPLE DEPENDENT CLAIM(S) (if applicable) \$360 \$ 360 TOTAL OF ABOVE CALCULATIONS = 1240 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. 21/10 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest \$ claimed priority date (37 CFR 1.492(i)). **TOTAL NATIONAL FEE =** 2140 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied s by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property TOTAL FEES ENCLOSED = Amount to be \$ refunded: Amount to be \$ charged: a. X A check in the amount of \$ 2140 to cover the above fees is enclosed. Please charge my Deposit Account No. __ to cover the above fees. ____ in the amount of \$ _ A duplicate copy of this sheet is enclosed. c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No.160820 A duplicate copy of this sheet is enclosed.

Ord No. 38300

Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SIGNATURE

Michael W. Garvey
NAME

35878 PEGIST

REGISTRATION NUMBER

SEND ALL CORRESPONDENCE TO:

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Certificate of Mailing under 37 CFR 1.10

I hereby certify that the attached papers and fee are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 to:

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on June 17, 2005.

EV 523322532 US
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Michael W. Garvey

Typed or printed name of person signing certificate

Signature

VERIFICATION OF TRANSLATION

INTERNATIONAL APPLICATION NO. PCT/CH03/000710

I, Sally Costello, of Rockport, Massachusetts

am the translator of the document attached, and I state that the following is a true translation to the best of my knowledge and belief.

Signature of translator

Sally Costella

Date: June 17, 2005